Work Orden	r ID 95772 0:47:58 AM		*957	772*						Page 1	
Revision ID: Item Name: Start Date: 2 Required Date: 2	O3065-041  Step Leg Assembly Hi  2/11/13 Start Qty; 30.00  2/11/13 Req'd Qty: 30.00	*30* *30*	Accept	*N900 Cust Item I Customer:		100	)* s	etup Start Stop	*NS1* *NS2*		
	Process Plan: MCJ				ate:		R	un Start Stop	"   \	R1* R2*	
Sequence ID/ Work Center ID	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty		Reject Number	Insp. Stamp	
Draw Nbr	Revision Nbr										
D3065	Rev B									~	
*100*	Small Fab		0.00				40x	,	•	1 /3 /12	
Small Fab	Memo		0.00				70-1			<i>γ</i>	
Small Fab	Assemble as	per Dwg D3065 and Ident	ify as D3065-041				,				
*110	QC5- Inspect part comple	eteness to step on W/O	0.00				401			$M_{-}$	
QC Quality Control	Мето		0.00				<u> </u>			13.02.14	
120	Identify as per dwg & Sto	ock Location: WA	0.00				40			Ae 13.0	
*120* Packaging Packaging	Memo	Step Call	0.00				40		<del></del>	HQ 15.0	

NCR: Y	es / No	)			WORK ORDER NON-	COI	NFORI	MANCE / UF	PDATE		OA Clasadi	Dat	٠.	
<u> </u>											QA Closed:	Dat	е.	
Work Orde	er:				DISPOSITION				AGAINST (	DEP	PARTMENT/	PROCESS		
Part N NCR N	lo				Rework Scrap Use-as-is Work Order Update		1	Skid-tube Machining noforming Large Fab	Crosstube Small Fab Finishing Composite			Water Jet d. Eng. Coor. e/Packaging Supplier		Engineering Quality Quality Other
Root				Descri	ption of work order update		Initial	A	ction		Sign &			
Cause	Date	Step	Qty		or Non-conformance	Ct	nief Eng	Des	cription		Date	Verification		QC Inspector
Doc/Data Equip/Tooling Operator Material Setup Other Process Supplier Training Unapproved														
					F	AUI	LT CATE	GORY						
Landin	ng Gear			_	General	_	,		r	_		г		
	Bendir Centre Cracks	Not Conce	ntric to	o/s	Bend BOM/Route Broken/Damaged		Grain Hardwa Inspect	re ion Incomplete			Ovalized Over/Under Part Incorred	<b>-</b>		Pressure/Forced Temperature/Cure Weld

Instructions Incomplete/Unclear

Maintenance

Out of Calibration

Out of Sequence

Outside Dimensions

Mislabeled

Misread

Offset

DQA:

Part Lost/Missing

Positioned Wrong

Power Loss/Surge

Part Moved

Wrong Stock Pulled

Other

Date:

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Crushed/Crimped.

Inspection Strip in Tube

Torque Waves in Extrusion

Cuffs

Heat Treat

Burrs

Contamination

Countersink

Cut Too Short

Drill Holes

Drawing

Finish

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Work Orde						Page 2						
Item ID: Revision ID: Item Name:	D3065-041 Step Leg As			Accept	*N900	<b>040</b>	100	*	Setup	Start Stop	1 1	S1*
Start Date: Required Date: Reference:	2/11/13	Start Qty: 30.00 Req'd Qty: 30.00	*30* *30*		Cust Item I Customer:	D:					i V	
Approvals:	Process P QC:	lan:	Date:	Tooling: SPC (Y/N):		ate:			Run	Start Stop	*N *N	R1* R2*
Sequence ID/ Work Center I	D	Operation Description QC21- Final Inspection -	Work Order Release	Set Up/ Run Hours 0.00	Tool ID	Tool#	Plan Code	Accept Qty	Re Qt		Reject Number	Insp. Stamp
*130*		Memo		0.00						12/	0 /1º	

Quality Control

13-2-14

										DQA	\: Date	e: _	•
NCR: Y	es / No				WORK ORDER NON-	COI	NFORI	MANCE / UP	DATE	QA Close	d: Date	٥.	
<u> </u>					T					QA Closed	J. Date	<u> </u>	
Work Orde	r:				DISPOSITION				AGAINST D	EPARTMEN	T/PROCESS		
Part No.					Rework Scrap Use-as-is	Scrap Machining Small			Crosstube Small Fab Finishing	Prod. Eng. Coor.			Engineering Quality Other
NCR N	o			<del></del>	Work Order Update		111011	Large Fab	Composite	]	Supplier		
Root		Į.		Descr	iption of work order update	Ti	nitial	Ac	tion	Sign &	-	$\Box$	· · · · · · · · · · · · · · · · · · ·
Cause	Date	Step	Qty		or Non-conformance	Ch	ief Eng	Desc	ription	Date	Verification	,	QC Inspector
Doc/Data Equip/Tooling Operator Material Setup Other Process													
Supplier				1									•
Training													
Unapproved	,		<u> </u>			<u> </u>		<u> L.</u>				Ш	
					F	AUL	T CATE	GORY					
Landin	g Gear				General		_		·		_		
1	Bending				Bend		Grain			Ovalized			Pressure/Forced
	Centre Not Concentric to O/S				BOM/Route		Hardwa	are		Over/Und	er tolerance		Temperature/Cure
Cracks					Broken/Damaged		Inspection Incomplete			Part Incor	rect .		Weld

Instructions Incomplete/Unclear

Maintenance

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Wave/Twist in Tube

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Inspection Strip in Tube

Torque Waves in Extrusion

Cuffs

Heat Treat

Burrs

Contamination

Countersink

Cut Too Short

Drill Holes

Drawing

Finish

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### **Picklist Print**

January-18-13 10:47:57 AM

Work Order ID:

95772

Parent Item:

D3065-041

Parent Item Name:

Step Leg Assembly Hi

**Start Date: 2/11/13** 

Required Date: 2/11/13

**Start Qty: 30.00** 

Required Qty: 30.00

Comments:

IPP Rev: C02.11.01Incorporated D3066-1 IPPKJ/RF

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3065-1		Manufactured	No			100	Each	39.0000	1	30		1	7.
Step Spacer									ofböte,			) (3_	102/10
				Location		Loc Qty	<u>La</u>	oc Code				1	1
				GA		39							
				744	97	1					157	5/2	3 (SE
				813		1			<del></del>	<del></del>			
				921	95	37				7			/ /
D3065-3		Manufactured	No			100	Each	32.0000	1	30		5.2/	2/12
Step Spacer												U-3-JW	2/10
				<b>Location</b>		Loc Qty	<u>L</u> c	oc Code					l
				GA		32				/	, - J	>	<b>^</b>
				698		1					BS	356	986
				732		4							
				751		14				<del></del>			
				837		12	•						
D3065-5			No	838	0/3	100	Each	101.0000					/ /
		Manufactured	NO			100	Each	101.0000	2	60	Z/ \/	7/00	1/12
Step Leg				_			_			············	7	7	/
				<b>Location</b>		Loc Qty	<u>L</u>	oc Code				•	,
				GA		101						•	
				672		1							
				732		19							
				937 94 <i>6</i>		2 79				<del>29</del> 79			

Page 1

												DQA:	Da	te:	
NCR:	Yes	/ No				WORK ORDER NON-O	100	<b>VFORN</b>	AANCE / UP	DATE		•		•	
·												QA Closed:	Da	te:	
Work Orde	er.					DISPOSITION				AGAINST I	DE	PARTMENT	PROCESS		
Part No.  NCR No.						Rework Scrap Use-as-is Work Order Update			Skid-tube Crosstube  Machining Small Fab  Thermoforming Finishing  Large Fab Composite			Water Jet Prod. Eng. Coor. Rec/Store/Packaging Supplier			Engineering Quality Other
Root	1				Descri	ption of work order update	ı	nitial	Ac	tion		Sign &			
Cause		Date	Step	Qty	C	or Non-conformance	Ch	ief Eng	Desc	ription		Date	Verificatio	n	QC Inspector
Doc/Data Equip/Tooling Operator Material Setup Other Process Supplier Training Unapproved	.,														
					•		AUL	T CATE	GORY						
Landi		Bending Centre No Cracks Crushed/ Cuffs Heat Trea Inspectio	Crimped. at n Strip in		O/S	General Bend BOM/Route Broken/Damaged Burrs Contamination Countersink Cut Too Short	-	Instruct Mainte Mislabe Misreac	on Incomplete ions Incomplete, nance led	'Unclear		Ovalized Over/Under Part Incorre Part Lost/M Part Moved Positioned N Power Loss/	ct issing Vrong		Pressure/Forced Temperature/Cure Weld Wrong Stock Pulled Other
i	1	Ripples ir	Bend		İ	Drill Holes	1	Offset							

Out of Calibration

Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Torque Waves in Extrusion

Drawing

Finish

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January-18-13 10:47:57 AM

Work Order ID: 95772 D3065-041 **Start Date: 2/11/13** Required Date: 2/11/13 Parent Item: **Start Qty: 30.00** Required Qty: 30.00 Parent Item Name: Step Leg Assembly Hi D3065-7 No 100 Each 54.0000 Manufactured Step Spacer Location Loc Qty Loc Code GA 54 73291 74499 78666 83738 89971 10 19 91548 12 93721 MS20470AD4-4 100 Each 3,100.0000 Purchased No Rivet, Universal Head Location Loc Oty Loc Code 72 GA 121652 72 ST336 3028 116188 136 338

696

1858

118614

122027

124231

		DQA:	Date:	
			<del></del>	
/ . NI -	MACON CODED NON CONFORMANCE / LIDDATE			

NCR: Ye	s / No				WORK ORDER NON-	COI	NFORM	MANCE / UPDATE				
			`							QA Closed:	Dat	e:
Work Order	:				DISPOSITION	7	: :			PARTMENT	<b>/PROCESS</b> Water Jet	
Part No NCR No					Rework Skid-tube Crosstube Scrap Machining Small Fab Use-as-is Thermoforming Finishing Work Order Update Large Fab Composite			ab ng	Pro Rec/Stor	Engineering Quality Other		
Root				Descri	otion of work order update		Initial	Action		Sign &		
Cause	Date	Step	Qty		or Non-conformance	Cł	nief Eng	Description		Date	Verification	QC Inspector
Doc/Data  Equip/Tooling Operator Material Setup Other Process Supplier Training Unapproved												
					<del>*                                    </del>	AUI	LT CATE	GORY		·		
Landing	Bending Centre Cracks Crushed Cuffs Heat Tr Inspect Ripples	Not Conce	Tube	's	General Bend BOM/Route Broken/Damaged Burrs Contamination Countersink Cut Too Short Drill Holes Drawing		Instruct Mainte Mislabe Misread Offset	on Incomplete ioris Incomplete/Unclear nance led		Ovalized Over/Under Part Incorred Part Lost/Mi Part Moved Positioned V Power Loss/	ct issing Vrong	Pressure/Forced Temperature/Cure Weld Wrong Stock Pulled Other

Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Finish

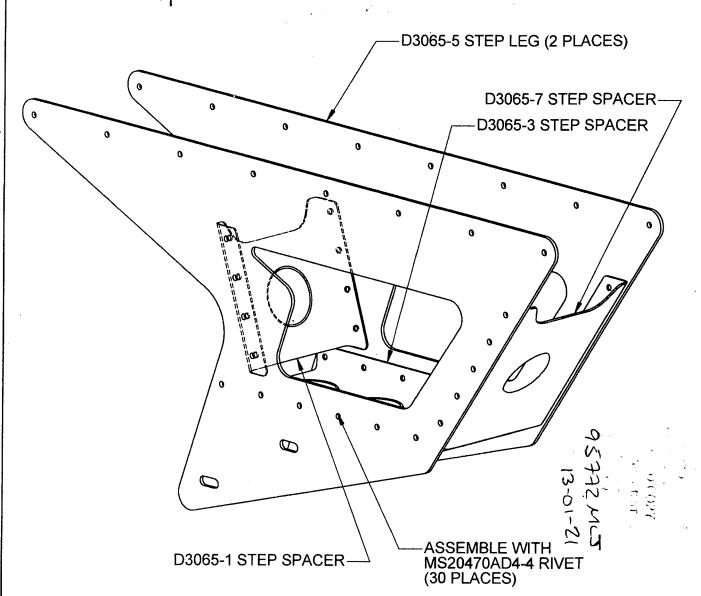
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DESIGN	8	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA								
CHECK	ED	APPROVED	DRAWING NO.	REV. B							
	PH		D3065	SHEET 1 OF 5							
DATE	00.0	)	TITLE	SCALE							
	Ub.U	05.23	STEP LEG ASSEMBLY	1:2							
Α	0:	2.09.11	NEW ISSUE								
B 06.05.23			ADD 6061-T6 MATERIAL, ADD SLOTS TO D3065-5								

## RELEASED

06 cb 20 -



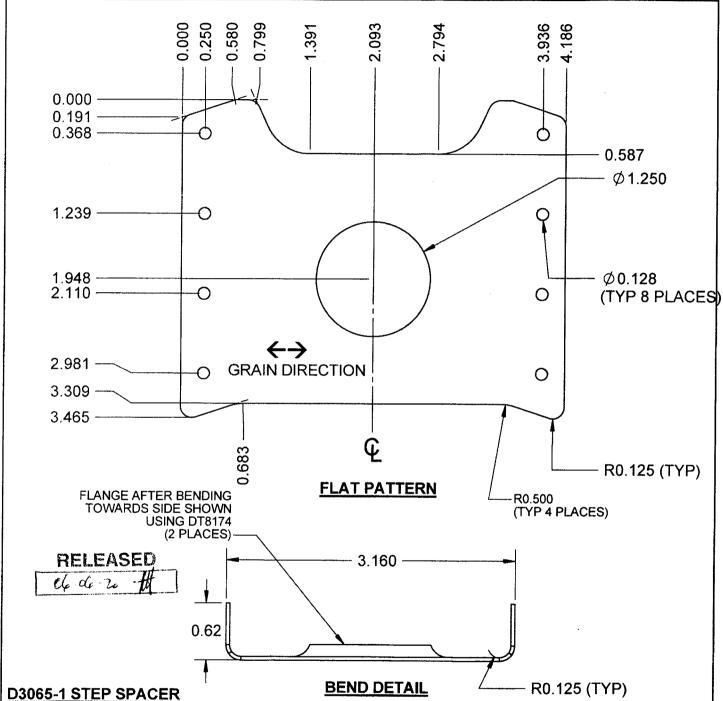
# **D3065-041 STEP LEG ASSEMBLY**

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- 1) MATERIAL: 2024-T3 (QQ-A-250/4) 0.040 THICK (REF DART SPEC. M2024T3S.040)
- 2) FINISH: ACID ETCH & ALODINE PER DART QSI 005 4.1
- 3) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 4) PART IS SYMMETRIC ABOUT CENTERLINE
- 5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 6) ALL DIMENSIONS ARE IN INCHES

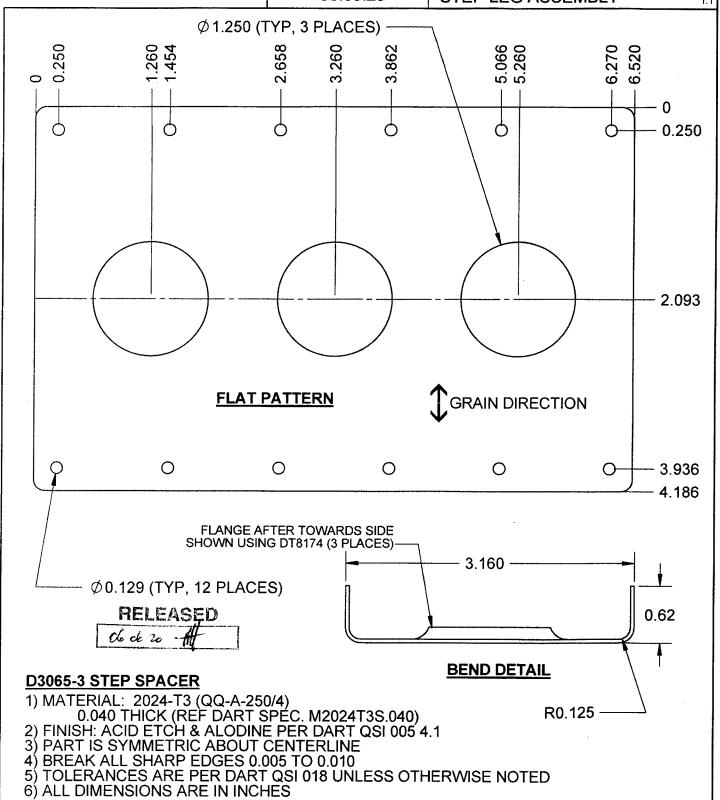
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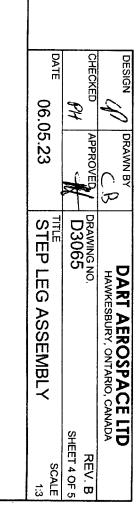
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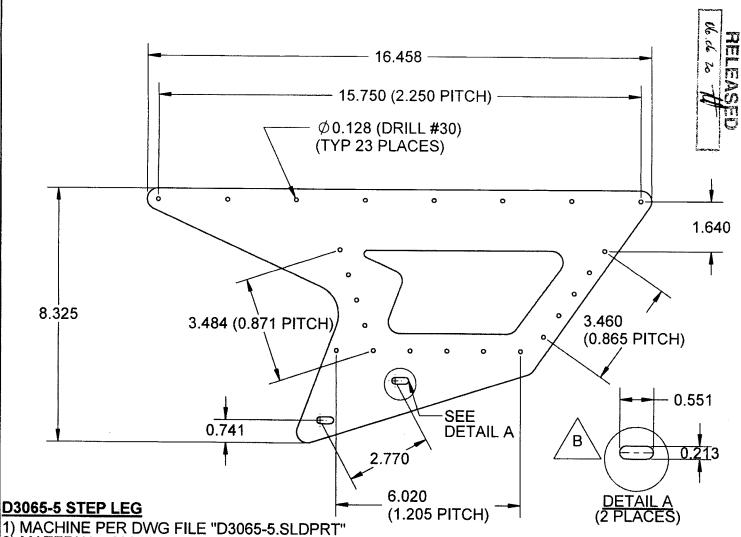
2458











2) MATERIAL: 6061-T6 (PER QQ-A-250/11 OR AMS 4025 OR AMS 4027) 0.080" THICK (REF DART SPEC M6061T6S.080)

5052-H32 (PER QQ-A-250/8 OR AMS 4016) 0.080 THICK (REF DART SPEC. M5052H32S.080) 3) FINISH: ACID ETCH & ALODINE PER DART QSI 005 4.1 4) BREAK ALL SHARP EDGES 0.005 TO 0.010

TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED ALL DIMENSIONS ARE IN INCHES

됐

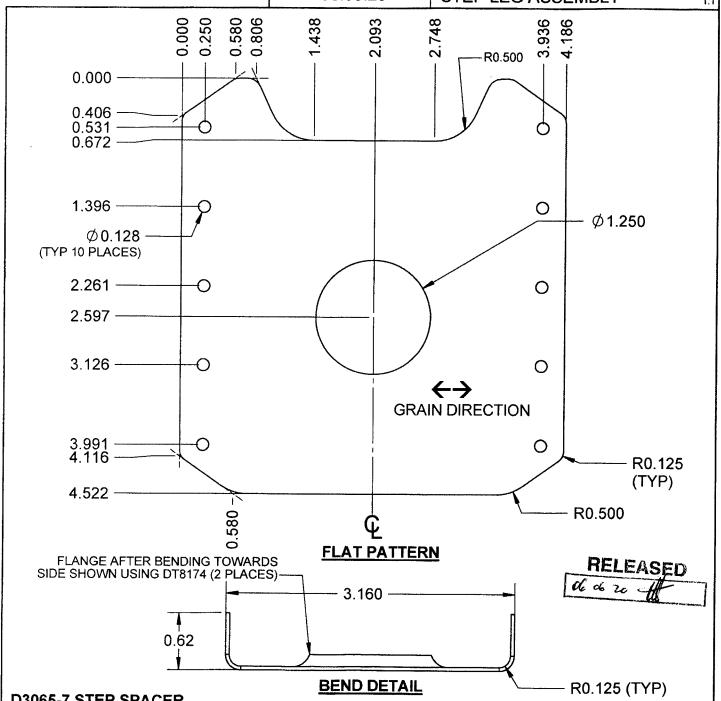
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### D3065-7 STEP SPACER

- 1) MATERIAL: 2024-T3 (PER QQ-A-250/4) 0.040 THICK (REF DART SPEC. M2024T3S.040)
- 2) FINISH: ACID ETCH & ALODINE PER DART QSI 005 4.1
- 3) PART IS SYMMETRIC ABOUT CENTERLINE
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010 5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 6) ALL DIMENSIONS ARE IN INCHES

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